



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/609,705 B
Source: PCT
Date Processed by STIC: 9-23-2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Does Not Comply
Corrected Diskette Needed



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/009,705B

DATE: 10/02/2002

TIME: 09:44:01

Input Set : N:\Crf4\09232002\J009705.raw
Output Set: N:\CRF4\10022002\J009705B.raw

1 <110> APPLICANT: Ruprecht-Karls-Universitaet, Heidelberg
2 <120> TITLE OF INVENTION: Method for the specific detection and identification of retroviral

3 nucleic acids/retroviruses in a specimen
4 <130> FILE REFERENCE: Seifarth
5 <140> CURRENT APPLICATION NUMBER: US/10/009,705B
6 <141> CURRENT FILING DATE: 2002-09-04
7 <150> PRIOR APPLICATION NUMBER: DE 199 21 419.0
8 <151> PRIOR FILING DATE: 1999-05-08
9 <160> NUMBER OF SEQ ID NOS: 4
10 <170> SOFTWARE: PatentIn version 3.1
12 <210> SEQ ID NO: 1
13 <211> LENGTH: 18
14 <212> TYPE: DNA
15 <213> ORGANISM: Homo sapiens
16 <220> FEATURE:
17 <221> NAME/KEY: misc_feature
18 <222> LOCATION: (6)..(6)
19 <223> OTHER INFORMATION: n is a highly degenerate oligonucleotide sequence

~ can only represent
a single nucleotide

20 <400> SEQUENCE: 1

18

W--> 21 aragtnytdy chcmrggh

23 <210> SEQ ID NO: 2

24 <211> LENGTH: 18

25 <212> TYPE: DNA

26 <213> ORGANISM: Homo sapiens

27 <220> FEATURE:

28 <221> NAME/KEY: misc_feature

29 <222> LOCATION: (1)..(1)

30 <223> OTHER INFORMATION: n is a highly degenerate oligonucleotide sequence

31 <400> SEQUENCE: 2

18

W--> 32 nwddmkdtya tcmayrwa

34 <210> SEQ ID NO: 3

35 <211> LENGTH: 21

36 <212> TYPE: DNA

37 <213> ORGANISM: Homo sapiens

38 <220> FEATURE:

39 <221> NAME/KEY: misc_feature

40 <222> LOCATION: (1)..(21)

41 <223> OTHER INFORMATION: Primer sequence allows amplification of reverse transcriptase-

42 related sequences by multiplex PCR

43 <400> SEQUENCE: 3

44 tkkammskvy trcyhcargg g

46 <210> SEQ ID NO: 4

.. 21

47 <211> LENGTH: 21

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/009,705B

DATE: 10/02/2002
TIME: 09:44:01

Input Set : N:\Crf4\09232002\J009705.raw
Output Set: N:\CRF4\10022002\J009705B.raw

48 <212> TYPE: DNA
49 <213> ORGANISM: Homo sapiens
50 <220> FEATURE:
51 <221> NAME/KEY: misc_feature
52 <222> LOCATION: (1)..(21)
53 <223> OTHER INFORMATION: Primer sequence allows amplification of reverse transcriptase-
54 related sequences by multiplex PCR
55 <400> SEQUENCE: 4
56 mdvhdrbmdk ymayvyahkk a

21

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/02/2002
PATENT APPLICATION: US/10/009,705B TIME: 09:44:02

Input Set : N:\CrF4\09232002\J009705.raw
Output Set: N:\CRF4\10022002\J009705B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:2; N Pos. 1

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2
Seq#:3; Line(s) 41
Seq#:4; Line(s) 53

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/009,705B

DATE: 10/02/2002

TIME: 09:44:02

Input Set : N:\Crf4\09232002\J009705.raw
Output Set: N:\CRF4\10022002\J009705B.raw

L:21 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0



PCT

RAW SEQUENCE LISTING DATE: 04/22/2003
PATENT APPLICATION: US/10/009,705C TIME: 16:47:04

Input Set : A:\Seifarth2ST25.txt
Output Set: N:\CRF4\04222003\J009705C.raw

3 <110> APPLICANT: Ruprecht-Karls-Universitaet, Heidelberg
W--> 4 <120> TITLE OF INVENTION: Method for the specific detection and identification
W--> 5 of retroviral nucleic acids/retroviruses in a specimen
W--> 6 <130> FILE REFERENCE: Seifarth
W--> 7 <140> CURRENT APPLICATION NUMBER: US/10/009,705C
C--> 8 <141> CURRENT FILING DATE: 2002-11-06
9 <150> PRIOR APPLICATION NUMBER: DE 199 21 419.0
10 <151> PRIOR FILING DATE: 1999-05-08
W--> 11 <160> NUMBER OF SEQ ID: 4
12 <170> SOFTWARE: PatentIn version 3.1
W--> 13 <210> SEQ ID NO: 1
14 <211> LENGTH: 18
15 <212> TYPE: DNA
16 <213> ORGANISM: Homo sapiens
W--> 17 <220> FEATURE:
18 <221> NAME/KEY: misc_feature
19 <222> LOCATION: (6)..(6)
20 <223> OTHER INFORMATION: n is ACG or T in a highly degenerate oligonucleotide sequence
W--> 21 <400> SEQUENCE: 1
W--> 22 aragtnytdy chcmrggh 18
23 <210> SEQ ID NO: 2
24 <211> LENGTH: 18
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
W--> 27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (1)..(1)
30 <223> OTHER INFORMATION: n is ACG or T in a highly degenerate oligonucleotide sequence
W--> 31 <400> SEQUENCE: 2
W--> 32 nwddmkdtya tcmayrwa 18
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 21
35 <212> TYPE: DNA
36 <213> ORGANISM: Homo sapiens
W--> 37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: (1)..(21)
40 <223> OTHER INFORMATION: primer sequence allows amplification of reverse
41 transcriptase-related sequences by multiplex PCR
W--> 42 <400> SEQUENCE: 3
43 tkkammskv trcyhcargg g 21
44 <210> SEQ ID NO: 4
45 <211> LENGTH: 21

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/009,705C

DATE: 04/22/2003
TIME: 16:47:04

Input Set : A:\Seifarth2ST25.txt
Output Set: N:\CRF4\04222003\J009705C.raw

46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
W--> 48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: (1)..(21)
51 <223> OTHER INFORMATION: PRIMER SEQUENCE ALLOWS AMPLIFICATION OF REVERSE
52 TRANSCRIPTASE-RELATED SEQUENCES BY MULTIPLEX PCR
54 <400> SEQUENCE: 4
55 mdvhdrbmdk ymayvyahkk a

21

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/009,705C

DATE: 04/22/2003
TIME: 16:47:05

Input Set : A:\Seifarth2ST25.txt
Output Set: N:\CRF4\04222003\J009705C.raw

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Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:2; N Pos. 1